

Bureau of Land Management, Interior

§ 3275.15

§ 3275.12 What environmental and safety requirements apply to facility operations?

(a) You must perform all utilization facility operations in a manner that:

- (1) Protects the quality of surface and subsurface waters, air, and other natural resources, including wildlife, soil, vegetation, and natural history;
- (2) Prevents unnecessary or undue degradation of the lands;
- (3) Protects the quality of cultural, scenic, and recreational resources;
- (4) Accommodates other land uses as much as possible;
- (5) Minimizes noise;
- (6) Prevents injury; and
- (7) Prevents damage to property.

(b) You must monitor facility operations to identify and address local environmental resources and concerns associated with your facility or lease operations.

(c) You must remove or, with BLM approval, properly store all equipment and materials not in use.

(d) You must properly abandon the facility and reclaim any disturbed surface to standards approved or prescribed by us, when the land is no longer needed for facility construction or operation.

(e) When we require, you must submit a contingency plan describing procedures to protect public health and safety, property, and the environment.

(f) You must comply with the requirements of § 3200.4.

§ 3275.13 How must the facility operator measure the geothermal resources?

The facility operator must:

(a) Measure all production, injection and utilization in accordance with methods and standards approved by BLM (see § 3275.15);

(b) Maintain and test all metering equipment. If your equipment is defective or out of tolerance, you must promptly recalibrate, repair, or replace it; and

(c) Determine the amount of production and/or utilization in accordance with methods and procedures approved by BLM (see § 3275.17).

§ 3275.14 What aspects of my geothermal operations must I measure?

(a) For all well operations, you must measure wellhead flow, wellhead temperature, and wellhead pressure.

(b) For all electrical generation facilities, you must measure:

- (1) Steam and/or hot water flow entering the facility;
- (2) Temperature of the water and/or steam entering the facility;
- (3) Pressure of the water and/or steam entering the facility;
- (4) Gross electricity generated;
- (5) Net electricity at the facility tailgate;
- (6) Electricity delivered to the sales point; and
- (7) Temperature of the steam and/or hot water exiting the facility.

(c) For direct use facilities, you must measure:

- (1) Flow of steam and/or hot water; and
- (2) Temperature of the steam or water entering the facility.

(d) We may also require additional measurements, depending on the type of facility, the type and quality of the resource, and the terms of the sales contract.

§ 3275.15 How accurately must I measure my production and utilization?

It depends on whether you use a meter to calculate Federal production or royalty, and what quantity of resource you are measuring.

(a) For meters that you use to calculate Federal royalty:

(1) If the meter measures electricity, it must have an accuracy of $\pm 0.25\%$ or better of reading;

(2) If the meter measures steam flowing at more than 100,000 lbs/hr on a monthly basis, it must have an accuracy reading of ± 2 percent or better;

(3) If the meter measures steam flowing at less than 100,000 lbs/hr on a monthly basis, it must have an accuracy reading of ± 4 percent or better;

(4) If the meter measures water flowing at more than 500,000 lbs/hr on a monthly basis, it must have an accuracy reading of ± 2 percent or better;

(5) If the meter measures water flowing at 500,000 lbs/hr or less on a monthly basis, it must have an accuracy reading of ± 4 percent or better;